

## S&E Specialty Polymers TuffFill™ 5003UV Polyolefin

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

**Material Notes:**

Application: Thermoplastic polyolefin material is designed for molded in color automotive interior and exterior application. This product can be supplied in natural or an OEM matched color with UV protection or paintable version. Information provided by S&E Specialty Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SE-Specialty-Polymers-TuffFill-5003UV-Polyolefin.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TuffFill-5003UV-Polyolefin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ISO 1183
Melt Flow	29.0 g/10 min @Load 2.16 kg, Temperature 230 °C	29.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength	18.0 MPa	2610 psi	ISO 527
Flexural Modulus	1.663 GPa	241.2 ksi	ISO 178
Izod Impact, Notched (ISO)	14.2 kJ/m <sup>2</sup> @Temperature -30.0 °C	6.76 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	NB @Temperature 24.0 °C	NB @Temperature 75.2 °F	ISO 180/1A
Impact Test	20.4 J	15.0 ft-lb	multiaxial, at 2.2 m/sec, 100% ductile; ASTM 3763
Multi-axial Impact @ -30°C Total Energy	23.4 J	17.3 ft-lb	ASTM 3763; at 2.2 m/sec, 100% ductile

### Contact Songhan Plastic Technology Co.,Ltd.

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